

# THE TECH

VOL. XXVII. No. 80

BOSTON, MASS., FRIDAY, MAY 8, 1908

PRICE THREE CENTS

## CLOSE CONTEST EXPECTED IN MEET WITH BROWN.

ODDS FAVOR VISITORS.

Mayhew will be Important Factor in the Meet. White Back in the Game.

With the exception of the intercollegiate meet on the twenty-third of this month, the meet with Brown will undoubtedly be the most interesting and exciting track event of the season.

Judging by previous work done this season, Brown already has a good hold on the meet and unless last Saturday's performances of the Tech team are decidedly improved upon, its defeat is very nearly a certainty.

The Technology team, however, is composed of good material, and the men have shown up regularly at practice this week. Thus improvements are certain, and with the return of P. D. White, who was unable to participate in the Maine meet on account of illness, a close contest is looked for.

Brown's heaviest point winning will be done by Mayhew and Hartigan. The former, a veteran who distinguished himself last year, captured 18 1-2 points in the meet with Williams last Saturday, while Hartigan, a new man on the Providence team, gathered in two firsts at the same time. Mayhew captured both the high and the low hurdles in much faster time than was made even by the Maine men who won these events in the meet here last Saturday. He also won the broad jump, his best leap being 21 feet 5 inches, which was 7 1-2 inches better than the performance of Schobinger, Tech's winner of the event in the Maine meet. Schobinger was, however, handicapped by an injured heel, and now that he has recovered, is expected to do some good work.

The Brown freshman star, Hartigan, who won first place in both the century dash and the 220 in the Williams meet, making in the longer sprint a full second faster time than did the Tech star Gram on the same day. Other good Tech men that will be entered are Blackburn, Salisbury and Seligman.

The half-mile will of course be at the mercy of White and Gimson, providing their physical condition is as good tomorrow as it has been during the last few days. Fernstrom will probably do better over the hurdles than on last Saturday.

The only Brown competitor in the mile and two mile who is to be feared is W. W. Green, who placed second in the Williams meet. The former event was won in faster time by the Tech team last Saturday, but in the two mile Howland will be called upon to cover the distance in less time than 10 minutes 23 seconds. He ought to find little trouble in doing this, judging by the easy way in which he won his event in the Maine meet.

The competition in the field events is sure to be keen and close. The high jump appears to be a clean sweep for Technology, while Brown will probably excel in the hammer throw.

In the pole vault four Tech men, Captain T. W. Orr, G. Schobinger, and the two freshmen W. C. Salisbury and W. D. Allen can all easily clear 10 feet 2 inches, the height at which a Williams

(Continued on page 3.)

## SHOW DINNER TONIGHT.

Stunts by Former Show Members Planned.

Tech Show 1908 gives a dinner tonight at the Union to the members of the Show. Every year a dinner is given to the cast, chorus, and management, only those receiving invitations being present. The program has not been given out but will consist of stunts by various past members of the Show and addresses by some of the faculty and others.

## "WHY TAKE THE FIRST TWO YEARS AT TECH?"

ANSWERED BY RUCKMAN.

In Technology Review Many Articles of Interest.

With articles about Charles Henry Dalton, the Institute's first treasurer, the new "Tech Union," "The Commonwealth and the Institute," and "Why Take the First Two Years at Tech," besides the regular institute and undergraduate notes. The Technology Review for April contains much interesting matter.

It opens with an account by William Endicott of the life of the late Charles Henry Dalton, formerly charter member and for some years treasurer of the corporation of the Institute. Mr. Dalton took part in many public services beside his connection with the Institute, and at his death on Feb. 23, his loss was deeply felt.

Dean Alfred E. Burton has written an interesting account of the new Tech Union, beginning with its conception and the forwarding of the scheme through articles in The Tech. He speaks of the plan for having it in Copley Hall, and says: "Other plans for the location of the Union in the immediate neighborhood of the Institute are also under consideration, and which of these will be finally adopted has not yet been fully determined. It is, however, certain that the new Union will be provided for, and that this will be done in the best way practicable."

There follows an article by James P. Munroe 1882 upon "The Commonwealth and the Institute." In this he speaks of the debt which the Institute owes the state for financial aid as well as prestige. The western state institutions have done much to develop the several states, and it is possible for the Institute to do much for Massachusetts with co-operation and a definite plan.

For this plan the following suggestions have been made:

(1) "That there be a scientific census of Massachusetts to ascertain all pertinent facts regarding the character, extent, etc., of every existing industry and the possibilities of establishing new ones; regarding existing means of transportation by hand and water and the needs of new development; regarding the mineral resources, water powers, soils, etc., of the State, and the best methods of this utilization.

(2) "That the labor question be given dispassionate study as to the problems of quantity, supply, mobility, organization, and, above all, education.

(3) "That problems of legislation and taxation have sympathetic and practical investigation in the light of their bearing upon present and future conditions in the industries of Massachusetts.

(4) "That communities be brought together, through federated boards of trade or in some other like way, so that industrial and commercial questions may be scientifically treated as a whole.

(Continued on page 2.)

## TENNIS SEASON ADVANCED.

Several Matches in Tournament Have Been Played.

The tennis season has opened and already several matches have been played. The results of the matches so far is as follows:

H. F. Shaw 1911 beat S. H. Cornell 1911, 6-3, 4-6, 6-3.

F. A. Wood 1911 beat H. G. Soule 1911, 6-3, 4-6, 6-4.

J. Urquhart 1911 beat A. F. Leavy 1911, 6-1, 6-2.

D. V. Williamson 1910 beat R. O. Wood 1911, 6-3, 6-4.

J. W. Nickerson 1909 beat J. C. Stevens 1909, 6-0, 6-2.

M. D. Price 1910 beat H. C. Taylor 1908, 8-6, 6-2.

T. B. Parker 1911 beat T. A. Roper 1910, 6-0, 6-0.

The results of the doubles:

P. R. Fanning 1908 and T. B. Parker 1911 beat D. V. Williamson 1910 and M. D. Price 1910, 6-3, 6-2.

## TECHNOLOGY TO ENTER NEW FIELD OF RESEARCH.

APPLIED CHEMISTRY.

Dr. Talbot's Dinner Had Surprise in Store Eminent Speakers.

That Technology is to have a research laboratory of applied chemistry, the like of which there is not in the country, was the announcement made by Dr. Henry P. Talbot, head of the chemistry department, at his dinner to the seniors in his courses Wednesday evening at the Union. The announcement was made in introducing Dr. William H. Walker, who spoke on the character of the laboratory.

This new laboratory has been under consideration for some time, Dr. Noyes in his report to the Corporation pointing out the need of such an institution and the great work that had been done along this line so far by the Institute. The laboratory was brought into a financial actuality through the generosity of a member of the Corporation and a grant by that body.

The laboratory will be first situated at the top of Engineering B, where the laboratory for the textile coloring now is. Courses will be offered leading to the degree of Doctor of Engineering and also of Philosophy. The functions of the laboratory as briefly mapped out by Dr. Walker in his talk will be the attacking of industrial problems arising in great plants, the offering of a means of study for men going into this character of work, the aiding of the industries by solving problems for the future, and the bringing into the laboratory the great problems that the industries have no facilities for solving. The difference between this work and theoretical will be only the immediacy of use of the solution.

Through the efforts of Dr. Talbot, the chemical seniors were treated to a wonderful series of talks by the biggest lights in the world of chemistry.

The principal speaker and guest was Dr. William McMurtrie of New York, formerly chief chemist of the United States department of agriculture, president of the American Chemical Society, and at present vice-president of the Royal Baking Powder Company.

Dr. McMurtrie laid particular stress on the importance to chemists of keeping up with their profession. This, he said, could be done by connection with

(Continued on page 3.)

## PROF. SEDGWICK GETS OFFER.

Last Monday Mayor Hibbard offered one of the vacancies in the board of health to Prof. W. T. Sedgwick of the Institute, and expects to receive an answer within a few days. Prof. Sedgwick served as biologist on the State Board of Health from 1888 to 1896 and is recognized as one of the best authorities on the subject of biology in Massachusetts.

## CLASS DAY MONEY OVERDUE.

Should Have Been Paid Tuesday to Course Collectors.

The Class Day assessment of five dollars from every member of the senior class was due Tuesday. All men who have not already paid up are urged to do so at once in order to enable the Class Day Committee to go ahead and make the necessary arrangements for Commencement Week.

Ample notice has already been given to all and those failing to pay up at once will be debared from the exercises of the week. This notice applies only to the five dollar assessment for Class Day and not to the subscriptions to the dance or the dinner. Payments may be made to George Glover or to any of the course collectors.

## ENTHUSIASM WILL REIGN IN HUNTINGTON HALL.

BIG MEETING CALLED.

Singing and Cheering to be Practiced. Dr. Noyes will Speak.

A mass meeting to prepare for the Brown meet will be held in Huntington Hall, today at 1 o'clock, called by the president of the Institute Committee. Plans adequate to make this big meeting a rouser have been made, with speech making, singing, and cheering, on the program.

President Arthur A. Noyes, Captain Thomas W. Orr 1908 of the track team and John T. Tobin 1908 will speak. Harry A. Rapelye 1908, president of the Institute Committee, will lead the cheering.

To facilitate matters in the singing a concert grand piano has been secured, Henry F. Miller Co. furnishing the instrument at the cost of carting. A. F. Thode 1908, who has long been connected with the Show as a piano player and with the various entertainments at the Union, will play.

Clifford C. Hield, general manager of the musical clubs, together with Guy M. Schaffer, leader of the glee club, have consented to co-operate in making the singing a success. They ask all of the glee club and musical club men to gather in the center section in the middle of the hall near the stage in order to start off the tunes and help carry them through with a vim. It is also asked that all principals and members of chorus in the past few shows gather with the musical club men. It is especially desirable that men who took part in the singing of the "Dear Old M. I. T." be in this central group. A number of the good Tech cheer songs will be practiced and it is probable that either books or slips with songs upon them will be furnished.

The various regular Tech cheers will be practiced with individual cheers for members of the track team. If possible an attempt will be made to work up a new yell, such as a good "siren" cheer.

## CIVIC'S ANNUAL DINNER.

To Be Held Tomorrow At The Union.

Ridsdale Ellis 1909 will lead the Civic Club as its president for the coming year. The other results were vice-president, L. D. Nisbet 1909; secretary, N. Ranshoff 1910; treasurer, J. H. Ruckman 1910.

The dinner to be held tomorrow at 6:30 P. M. in the Union will wind up the activities of the year. Dean Burton, Prof. Bates and perhaps Prof. Sedgwick will give smoke talks. The tickets are thirty-five cents apiece and may be obtained from L. D. Nisbet 1909, R. Ellis 1909, F. A. Dewey 1909, B. L. Gimson 1908, N. Ranshoff 1910, and J. D. Mackenzie 1911.

## STUDENTS GIVE TALKS.

Mechanical Engineers Also Elect Officers and Members.

At a meeting of the Mechanical Engineering Society at the Union Monday evening officers were elected for the next year and talks were given by E. R. Hall 1908 and J. M. Talbot 1908. The following were elected officers: president, C. W. Hubbard 1909; vice-president, J. W. Nickerson 1909; secretary, F. A. Dewey 1909; treasurer, B. W. Dow 1909; executive committee, R. W. Millard 1909, A. T. Weeks 1909, and H. A. Hale, Jr., 1910.

The following sophomores were elected members: H. C. Manson, F. F. Bell, A. L. Fabens, W. R. Hilman, C. B. Fletcher, J. S. Sneddon, C. C. Hield, H. C. Fisher, W. S. Burleigh.

## \$5000 GIVEN TO TECH.

A legacy of \$5000 has been received from the estate of John C. Haynes to be devoted to the general purposes of the Institute.

# MASS MEETING TODAY AT 1.00 P.M.

## THE TECH

Published every Monday, Wednesday, and Friday during the college year by students of the Massachusetts Institute of Technology.

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Friday, May 8, 1908.

The Tech takes pleasure in announcing the appointment of Walter H. Hildebrand 1911 to the News Staff.

### AN OPPORTUNITY.

Another of the few big opportunities that are presented in the year to stand back of Institute teams and varsity athletics is offered tomorrow in the Technology-Brown dual meet tomorrow at the Field. In order that all who are going may be prepared for good, live cheering and singing a mass meeting has been arranged to be held at 1 o'clock today in Huntington Hall. At this meeting enthusiasm will be roused so that all who go to the meet on Saturday will be ready to make a real, concerted Technology noise.

The track team has been working hard this week. Every effort has been made by the men and the coach to be in readiness for the competition with Brown. That keen competition will be offered is assured by the showing of Brown against Williams a week ago. All those who have seen Brown men compete know that there will be a fight to the finish. And the best of it is that Technology has a chance, a fair chance to support the team, cheer, sing and at periods yell.

Brown has its thunder all prepared, its men in readiness. Tech has the track men, but the surety of supporters can only be learned from the enthusiasm and number turning out to the mass meeting today. Is Brown to have better support than Tech on Tech's own field? That question is to be decided by every Tech man. Let it be that Tech will win with the support of hundreds.

### TECH MEN HONEST.

Professor Dwight Porter gave an interesting talk before the Y. M. C. A. in Trinity Church Thursday noon.

Professor Porter stated that the will of a person had a great deal to do with his religious actions, and that many faults were made through ignorance or low standing of ideals. In regard to honesty Prof. Porter said that Mr. J. F. Stevens late of the Panama canal commission has declared that of all the engineers he had known, the most honest were Tech men.

This is the last meeting of the Y. M. C. A. this school year.

### WHY TAKE THE FIRST.

(Continued from page 1.)

(5) "That one or more museums be established to serve as centres for the collecting and disseminating of all in-

formation bearing upon industrial and commercial conditions.

(6) "That public laboratories be instituted in large manufacturing centres for the working out of those new chemical, physical, and mechanical problems with which all industries are every day confronted.

(7) "That extensive and accessible means for the education of the workmen in manual efficiency and executive power be provided, so that the pressing demand for skilled workers and for competent foremen and superintendents may be supplied. And

(8) "That as far as possible the teaching and research staffs, the laboratories, and the buildings in general of existing higher institutions of learning be utilized for carrying out the above and other cognate plans and investigations."

In line with the last named proposition it is proposed to make the laboratories of the Institute of Technology, Harvard, Tufts, Worcester Polytechnic Institute, Amherst Agricultural College, and other higher institutions, public laboratories in which, under proper regulations, any manufacturer, farmer or other citizen, as well as the State itself, might bring genuine problems for study and report.

"To take in this new form of educational service is, it seems to me," says Mr. Munroe, "the great present opportunity of the Institute. If she accepts it, she will continue to be in the future, as she has been in the past, the leader of leaders in modern education."

John H. Ruckman 1910, has written a discussion upon the question, "Why Take the First Two Years at Tech." It was originally written as a theme in second year English but, while it takes the same side of the question as most of the men in the section, it is so much above the average, that it is printed in the Review in full.

He states that colleges have an advantage over Tech in dormitory system and cheapness of tuition and living expenses, but the reputation of going to Tech is worth as much as that in getting work during the summer.

In conclusion he says, "Tech is, with all her drawbacks, the greatest college in the world and that is why I am here."

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#### CLOSE CONTEST EXPECTED.

(Continued from page 1.)  
man took first place in the Brown-Williams meet last Saturday.  
In the shot put McDonald and Walcott of Brown placed first and second last Saturday, their distances being each less than two inches behind F. Moore and W. Morrison respectively, who won first and second places in the Maine meet.  
The discus throw seems to be a hot fight between Nisbet and Kirley. The Tech man hurled the missile 106 feet 11 inches a week ago, while on the same day the old-timer from Brown threw it one foot less.  
Without J. W. Mayhew, who is entered in seven events in the meet Technology would have an easy time, but with him in the game the issue of the meet will probably be in doubt until the very last event has been decided.

#### NOTICES.

**MUSICAL CLUBS.**—Annual dinner and business meeting at Copley Square Hotel tomorrow at 6.30 P. M. All men who have played with clubs this year are invited. Dress suits.

**CIVIL ENGINEERING SOCIETY.**—Annual meeting adjourned from April 27 will be held in 11 B at 4.15 P. M. on Tuesday. Election of officers. All should attend.

**MUSICAL CLUBS.**—Annual meeting and banquet tomorrow evening at 6.30 at the Copley Square Hotel. Dress suits.  
**MASS MEETING.**—Student meeting in Huntington Hall at 1.00 P. M. today.

**DIXIE.**—The Southern Society of Boston will give its annual dinner this evening at the Hotel Lenox, Exeter St. Ladies will be welcomed. Members of the Tech Southern Club are cordially invited. Tickets at \$2.00 each may be obtained of James Thomas Pugh, secretary, 1101 Pemberton Building, Boston.

#### TECHNOLOGY TO ENTER.

(Continued from page 1.)  
the professional societies, by reading the current technical journals, and following all new scientific literature. He spoke of self-confidence, honesty with one's self and willingness to work hard as the most important essentials to success in the field of chemistry.

S. W. Wilder, president of the Merrimack Chemical Company, talked on the requirements exacted of the young chemist by an employer, loyalty being his theme.

Isaac W. Littlefield 1885, spoke on the need of well rounded men in scientific lines. He urged the men not to go out with the idea that they must start in at the top.

That American manufacturers were highly inefficient in the handling of materials and their conversion into the finished product, was the view taken by Arthur D. Little 1885, chemical expert and engineer. A great deal of the perfection that had seemingly been attained in American commercial effort was due to wonderful efficiency on the office end. Mr. Little sighted many instances of short sighted manufacturing methods which had been remedied by the work of the chemists.

A delightful toastmaster was provided in the host, Dr. Talbot. Among those present at the dinner were: Dr. A. A. Noyes, acting president of the Institute; Prof. Dugald C. Jackson, head of the electrical engineering course; Dr. Gilbert N. Lewis, director of the research laboratory of physical chemistry; members of the Institute chemistry department, and members of the senior class.

#### GIVES GOLD AND SILVER.

Dr. James Bartlett of Brookline has contributed to the mining department a collection of gold and silver ore for experimental purposes. The ore came from the Box Canon Mine on the Snake River, Oregon, and from mines in Utah.

## The Technology Review

A QUARTERLY MAGAZINE  
DEVOTED TO THE INTERESTS OF  
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The Review aims to develop closer relations among Institute men and to stimulate their interest in the work of the College. It is no sense an engineering magazine, but deals broadly with the problems of Technological Education and the responsibilities of the professional man.

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### CALENDAR.

Friday, May 8.

- 1.00 P. M. Basketball Team Meeting in 26 Rogers.
- 1.00 P. M. Mass Meeting in Huntington Hall.
- 1.00 P. M. Election of Officers of the British Empire Association in 16 Rogers.
- 2.00 P. M. Track Team Practices at the Field.
- 3.30 P. M. Physical Examinations at the Gym.
- 8.00 P. M. Southern Society of Boston Dinner at the Hotel Lenox.

Saturday, May 9.

- 2.30 P. M. Brown Meet at the Field.
- 3.00 P. M. 1910 vs. Highland Military Academy at Worcester.
- 6.30 P. M. Civic Club Dinner at the Union.
- 6.30 P. M. Musical Clubs Dinner at Copley Square Hotel.

### FACULTY NOTICE.

GYM.—All students desiring to take physical examinations should report at once to Mr. Towne at the Gym between 4 and 6 o'clock.

### NOTICES.

CIVIC CLUB.—Annual dinner at the Union tomorrow evening at 6.30.

BASKETBALL TEAM.—Special meeting today at 1.00 P. M. in 26 Rogers.

EXETER CLUB.—Important meeting next Wednesday at 1.00 P. M. in 26 Rogers.

BRITISH EMPIRE ASSOCIATION.—Important meeting today for the election of officers at 1.00 in 16 Rogers.

### CLASSIFIED ADS.

Advertisements of this kind under different classifications are inserted at the rate of five cents a line, averaging six words to a line, payable in advance.

ALL MEN who desire summer work leave name and address for Mr. Hibbard, Box 11 "Cage."

LOST.—In 20 A, a pocket, book containing some money and papers. Finder please leave at Cage for C. Reeds.

LOST.—Last Friday, 10 A. M., Walker, 23, gold watch fob and note book. Will finder please return to Bursar's office, care of L. S. Southwick.

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